

Power Cost Memorandum Fuel Cost Update

Date: **March 17, 2022**

Utility Name (Cert. No.) Pedro Bay Village Council (662)	Utility File No. PC51-0120M	Date Filed: February 17, 2022
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PCE AMOUNT SUMMARY	Previously Approved PC51-012L	Staff Recommended Amount(s) and Effective Date PC51-0120M
Class Rate	Date Approved: February 4, 2022	March 18, 2022
ALL	\$0.3155	\$0.3178
<input checked="" type="checkbox"/> Permanent <input type="checkbox"/> Interim <input checked="" type="checkbox"/> Permanent <input type="checkbox"/> Interim		

Prior Fuel Purchase Price: \$ 3.4320	New Fuel Purchase Price: \$ 3.4535
<input type="checkbox"/> Actual <input checked="" type="checkbox"/> Weighted	<input type="checkbox"/> Actual <input checked="" type="checkbox"/> Weighted
Delivery Charge: _____	Surcharge Change: Previous _____ Updated _____

Weighted Average Fuel Price/Gal. Calculation					
	Gallons		Price		
On-hand before deliv.	100	X	3.4320	=	343.20
Delivered	1,818	X	3.4547	=	6,280.69
	<u>1,918</u>				<u>\$ 6,623.89</u>
					Weighted Average \$ 3.4535

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Signed: Brenda Cox
Brenda Cox

Utility Financial Analyst

Commission decision re. this recommendation :

	Date (if different from 3/17/22)	I CONCUR	I DO NOT CONCUR	I WILL WRITE A DISSENTING STATEMENT *
Pickett		<u>RMP</u>		
Kurber		<u>KKL</u>		
Scott		<u>AGS</u> AGS		
Sullivan		<u>DS</u>		
Wilson		<u>JWW</u>		

Special Instructions to Staff:

* If this column is initialed, Staff will contact the Commissioner for the statement. Otherwise, dissent will simply be noted at the close of the By Direction Letter or Order.

Pedro Bay Village Council

APPENDIX 1

POWER COST EQUALIZATION CALCULATION
FOR PERIOD ENDING September 30, 2019

Fuel Cost Update

	PC51-012L		PC51-0120M
	Prior Staff Calculated	Utility Request	Staff Recommended
A. Total kWh Generated	178,710	178,710	178,710
B. Total kWh Sold (Appendix 2)	151,194	151,194	151,194
C. Total Non-Fuel Costs (Appendix 2)	22,063	22,063	22,063
D. Non-Fuel Cost/kWh (C / B)	\$0.1459	\$0.1459	\$0.1459
E. Total Fuel Costs (Appendix 2)	58,440	58,807	58,807
F. Fuel Costs/kWh (E / B)	\$0.3865	\$0.3890	\$0.3890
G. Eligible Costs/kWh (D + F)	\$0.5324	\$0.5349	\$0.5349
H. Eligible Cost/kWh (G) less base rate in effect	\$0.3321	\$0.3346	\$0.3346
I. Lesser of (H) or 79.97 cents/kWh	\$0.3321	\$0.3346	\$0.3346
J. Average Class Rates (Appendix 3)			
ALL	\$0.6197	\$0.6197	\$0.6197
Class Power Cost Equalization Per kWh Payable			
K. Lesser of: (I) x 95% or (J)			
ALL	\$0.3155	\$0.3178	\$0.3178
L. Funding Level in Effect	100%	100%	100%
ALL	\$0.3155	\$0.3178	\$0.3178

PC51-0120M
Appendix 1

Pedro Bay Village Council

APPENDIX 2

SCHEDULE OF ELIGIBLE POWER COSTS, SALES, AND EFFICIENCY
FOR PERIOD ENDING September 30, 2019

Fuel Cost Update

		PC51-012L	PC51-0120M	
		Prior Approved	Per Utility	Staff Recommended
Non-Fuel Costs:				
A.	Personnel Costs	14,867	14,867	14,867
B.	Operating Expense	1,853	1,853	1,853
C.	General & Administrative	4,137	4,137	4,137
D.	Depreciation	909	909	909
E.	Interest Expense	297	297	297
F.	Other (Describe)	0	0	0
G.	Total Non-Fuel Costs	\$22,063	\$22,063	\$22,063
Fuel Costs:				
H.	Gallons Consumed for Electric Generation	17,028	17,028	17,028
I.	Price of Fuel:(per gal) Weighted Average	\$3.4320	\$3.4535	\$3.4535
J.	Total Cost of Fuel	\$58,440	\$58,807	\$58,807
K.	kWh Generated	178,710	178,710	178,710
L.	kWh Sales	151,194	151,194	151,194
M.	kWh Station Service	12,112	12,112	12,112
N.	Efficiency (K/H)	<div><div>Standard</div><div>≥ 10.50</div></div>	10.50	10.50
O.	Line Loss	<div><div>≤ 12%</div><div>8.62%</div></div>	8.62%	8.62%
(kWh Generated -(kWh Sold + Station Service)/kWh Generated)				

Weighted Average Fuel Price/Gal. Calculation

	<u>Gallons</u>		<u>Price</u>		
On-hand before deliv.	100	X	3.4320	=	343.20
Delivered	1,818	X	3.4547	=	6,280.69
	<u>1,918</u>				<u>\$ 6,623.89</u>
					Weighted Average \$ 3.4535

PC51-0120M

Appendix 2

CALCULATION OF AVERAGE CLASS RATE PER kWh

Rate Schedule: **All**

Customer Charge (CC): \$5.00

(1) Block (by kWh)	(2) Rate (\$/kWh)	(3) Surcharge (\$/kWh)	(4) Total (\$/kWh) (2+3)	(5) Total \$ (1x4)+CC	(6) Avg. (\$/kWh) (5)/(1)	(7) Avg. Rate (\$/kWh) - \$ 0.2003
0 to 500	0.8100		0.8100	410.00		
to						
to						
to						
Max 500			Total	410.00	0.8200	0.6197

Rate Schedule:

(1) Block (by kWh)	(2) Rate (\$/kWh)	(3) Surcharge (\$/kWh)	(4) Total (\$/kWh) (2+3)	(5) Total \$ (1x4)	(6) Avg. (\$/kWh) (5)/(1)	(7) Avg. Rate (\$/kWh) - \$ 0.2003
0 to						
to						
to						
to						
Max 500			Total			

Rate Schedule:

(1) Block (by kWh)	(2) Rate (\$/kWh)	(3) Surcharge (\$/kWh)	(4) Total (\$/kWh) (2+3)	(5) Total \$ (1x4)	(6) Avg. (\$/kWh) (5)/(1)	(7) Avg. Rate (\$/kWh) - \$ 0.2003
0 to						
to						
to						
to						
Max 500			Total			

Rate Schedule:

(1) Block (by kWh)	(2) Rate (\$/kWh)	(3) Surcharge (\$/kWh)	(4) Total (\$/kWh) (2+3)	(5) Total \$ (1x4)	(6) Avg. (\$/kWh) (5)/(1)	(7) Avg. Rate (\$/kWh) - \$ 0.2003
0 to						
to						
to						
to						
Max 500			Total			

PEDRO BAY VILLAGE COUNCIL

	Invoice Number	Delivery Date	Gallons	Cost per Gallon	Delivery/ Mark-Up per Gallon	Total Cost
Beginning Fuel Inventory			100			
Last Approved Fuel Cost/Gal.				3.4320		
Beginning Fuel Inventory in Gallons	X Last Approved Fuel Cost/Gal. = Beginning Fuel Inventory Cost --->					\$ 343.20
Reporting Period Purchases	98566	09/08/20	437.2	2.8076	0.2761	1,348
	101588	01/26/21	1,000.0	3.2276	0.2761	3,504
	1623	04/02/21	380.8	3.4760	0.2761	1,429
						-
						-
						-
						-
						-
						-
						-
						-
						-
Totals for Reporting Period Purchases on this sheet:			1,818			\$ 6,280.69
Grand Totals (beginning inventory plus purchases)	A		<u>1,918</u>		B	\$ 6,623.89

Grand Total Cost divided by Grand Total Gallons = 3.4535 Weighted Avg. Cost per gallon
Purchases: Total Cost divided by Grand Total Gallons = 3.4547 Weighted Avg. Cost per gallon

Staff notes Pedro Bay included the State motor fuel tax of \$0.08 in the cost per gallon of fuel on its Fuel Report. Staff removed the motor fuel tax from the amount reported to calculate the cost per gallon listed above. Staff removed it because fuel used by power plants for power generation are exempt and entitled to a refund of the motor fuel tax paid. (AS 43.40.015(d)(1), AS 43.40.030(d), and AS 43.40.100(C)).

Pedro Bay's 2021 mark-up Schedule shows a mark-up of \$0.8390, made up of \$0.2761 expenditures per gallon and \$0.5629 for restocking fuel and R&R account. Staff did not include the \$0.5629 per gallon because the restocking fuel and R&R accounts are not costs to the utility at this time.

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